

# August 2006 College of William and Mary



## Applied Research Center Student Newsletter

# WORKING HARD IN THE HEAT



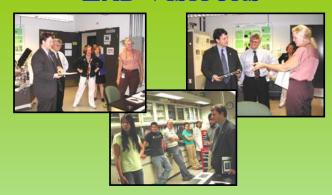
The ARC crew: Amy Wilkerson, Natalie Pearcy, Olga Trofimova, Richard Proper, Dina Abdel-Fattah, Laura Lee Worrell, Haijian Chen, Binping Xiao, and Zhongkai Wen headed to the Airtight Self-Storage in Williamsburg to help clean it out and take inventory of all the things there. Deborah Acheson and Faith Smith from William and Mary Property Control were there as well to observe the broken equipment and parts. Bill Saunders and his crew from the William and Mary **Facilities** Management helped to move and discard the broken items. All this was done on a record-breaking hot day Williamsburg; with the temperature over 100 degrees!

### FIRST AID



Moving all the equipment was hard work and Richard scratched his leg. Amy disinfected it with alcohol and topped it off with a Band-Aid. ©

### LAB VISITORS



Alfonso Lopez, Director of the Governor's Government Liaison Office, visited the ARC to acquaint himself with the facility and the work performed here. Deborah Dowd, Tony Thomas, and Linda Ware accompanied Mr. Lopez to the ARC.

Amy briefed the guests on the work done in the ARC. An array of students, from high school to post-doc, were present, all of which included: Nimel Theodore, Ron Quinlan, Haijian Chen, Hui Tian, Natalie Pearcy, Chris Hendricks, and Dina Abdel-Fattah. Nimel and Hui Tian both talked about the projects they have done in the ARC. Nimel's project (bottom left) was trying to increase hardness and decrease field emissions by various coatings on stainless steel and titanium. Hui Tian's project (bottom right) was surface studies of Niobium chemically polished under conditions for SRF cavity production.

#### WORK IN PROGRESS





Richard Proper and Chris Hendricks worked together to make a support for the ToF-SIMS UPS. This way, the UPS is both accessible and neatly stored.